

22386 U.S. PTO
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09/19/03

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Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No. NEB-210-US
		First Inventor Kong, Huimin
		Title Helicase Dependent Amplification of Nucleic Acids
		Express Mail Label No. ER 279330973 IIS

(Only for new nonprovisional applications under 37 CFR 1.53(b))

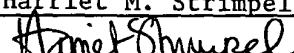
APPLICATION ELEMENTS		ADDRESS TO:	
See MPEP chapter 600 concerning utility patent application contents.		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 84] (preferred arrangement set forth below) <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 18]</p> <p>5. Oath or Declaration [Total Pages 3] <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) <ul style="list-style-type: none"> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). </p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>		<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies </p>	
ACCOMPANYING APPLICATION PARTS			
<p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other:</p>			

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label <div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">28986 (Insert Customer No. or Attach bar code label here)</div>		or <input checked="" type="checkbox"/> Correspondence address below			
Name	Harriet M. Strimpel				
Address	Patent Counsel New England Biolabs, Inc. 32 Tozer Road				
City	Beverly	State	MA	Zip Code	01915
Country	US	Telephone	978-927-5054	Fax	
Name (Print/Type)	Harriet M. Strimpel		Registration No. (Attorney/Agent)	37-008	
Signature			Date	9/19/03	

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01/19/03



PTO/SB/17 (01-03)

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 685.00)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Kong, Huimin
Examiner Name	
Art Unit	
Attorney Docket No.	NFR-210-TTS

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number 14-0740
Deposit Account Name New England Biolabs, Inc.

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Fee Code (\$)	Fee	Small Entity	Fee Code (\$)	Fee	Fee Description	Fee Paid
1001	750	2001	375	375	Utility filing fee	375	
1002	330	2002	165	165	Design filing fee		
1003	520	2003	260	260	Plant filing fee		
1004	750	2004	375	375	Reissue filing fee		
1005	160	2005	80	80	Provisional filing fee		
SUBTOTAL (1)		(\$)		375			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	50	-20** =	30	X	9	=	270	Extra Claims	Fee from below	Fee Paid
Independent Claims	3	- 3** =	0	X		=	0			
Multiple Dependent										

Large Entity	Fee Code (\$)	Fee	Small Entity	Fee Code (\$)	Fee	Fee Description	
1202	18	2202	9	9	Claims in excess of 20		
1201	84	2201	42	42	Independent claims in excess of 3		
1203	280	2203	140	140	Multiple dependent claim, if not paid		
1204	84	2204	42	42	** Reissue independent claims over original patent		
1205	18	2205	9	9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2)		(\$)		645			

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Fee Code (\$)	Fee	Small Entity	Fee Code (\$)	Fee	Fee Description	Fee Paid
1051	130	2051	65	65	Surcharge - late filing fee or oath		
1052	50	2052	25	25	Surcharge - late provisional filing fee or cover sheet		
1053	130	1053	130	130	Non-English specification		
1812	2,520	1812	2,520	2,520	For filing a request for ex parte reexamination		
1804	920*	1804	920*	920*	Requesting publication of SIR prior to Examiner action		
1805	1,840*	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action		
1251	110	2251	55	55	Extension for reply within first month		
1252	410	2252	205	205	Extension for reply within second month		
1253	930	2253	465	465	Extension for reply within third month		
1254	1,450	2254	725	725	Extension for reply within fourth month		
1255	1,970	2255	985	985	Extension for reply within fifth month		
1401	320	2401	160	160	Notice of Appeal		
1402	320	2402	160	160	Filing a brief in support of an appeal		
1403	280	2403	140	140	Request for oral hearing		
1451	1,510	1451	1,510	1,510	Petition to institute a public use proceeding		
1452	110	2452	55	55	Petition to revive - unavoidable		
1453	1,300	2453	650	650	Petition to revive - unintentional		
1501	1,300	2501	650	650	Utility issue fee (or reissue)		
1502	470	2502	235	235	Design issue fee		
1503	630	2503	315	315	Plant issue fee		
1460	130	1460	130	130	Petitions to the Commissioner		
1807	50	1807	50	50	Processing fee under 37 CFR 1.17(q)		
1806	180	1806	180	180	Submission of Information Disclosure Stmt		
8021	40	8021	40	40	Recording each patent assignment per property (times number of properties)		40
1809	750	2809	375	375	Filing a submission after final rejection (37 CFR 1.129(a))		
1810	750	2810	375	375	For each additional invention to be examined (37 CFR 1.129(b))		
1801	750	2801	375	375	Request for Continued Examination (RCE)		
1802	900	1802	900	900	Request for expedited examination of a design application		

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

40

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Harriet M. Strimpel	Registration No. (Attorney/Agent)	37,008	Telephone	978-927-5054
Signature				Date	9/19/03

WARNING: Information in this form may become public. Credit card information should not be included in this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kong et al.

Application No.: not yet assigned Group No.: N/A
Filed: herewith Examiner: N/A
For: Helicase Displacement Amplification of Nucleic Acids

**Mail Stop New Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

EXPRESS MAIL CERTIFICATE

"Express Mail" label number ER 279330973 US

Date of Deposit September 19, 2003

I hereby state that the following *attached* paper or fee

Utility patent application and related papers

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop New Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Leslie Goldberg



Signature of person mailing paper or fee